

Annual Report to the Board of Forestry: 2021 Forest Practices Act Effectiveness

Department of Natural Resources
Division of Forestry



February 2022

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DNR Division of Forestry
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I. OVERVIEW

The Department of Natural Resources (DNR) Division of Forestry (DOF) is pleased to submit its annual report on the Forest Resources and Practices Act (FRPA) and regulations to the Board of Forestry. DOF is the lead agency for implementation of the Forest Resources and Practices Act. Primary activities include coordinating interagency review of Detailed Plans of Operation (DPOs) for activities on private, municipal, and trust land; field inspections, implementation monitoring, and enforcement actions on these lands; and incorporating the standards of the Act and regulations into state timber sales. Forest practices related work on federal land is conducted by the Alaska Department of Environmental Conservation (DEC) and the Alaska Department of Fish and Game (ADF&G) Habitat Section based on their authorities for water quality and fish habitat protection.

Notable activities, conditions, and trends.

- The State forest practices program budget was static this year, and the Governor’s FY22 budget for forest practices remains level. However, three new forester positions and one equipment operator are in the Governor’s budget, which, if approved by the Legislature, will greatly assist the forest practices program and the maintenance of state forest roads to FRPA standards.
- Sealaska Timber Corporation has shut down its forestry program, and USFS timber sales on the Tongass National Forest have dwindled even further as the USFS focusing on selling young growth, which is not yet economic to harvest. These changes have increased the demand for State timber sales in Southeast.
- The Governor has launched a Timber Bridge program to supply timber to the industry for the next five years, until young growth timber in the Tongass is economic to harvest. DOF has committed to providing 14 million board feet/year for the next five years to provide timber to the industry. A \$270,000 CIP was allocated to the Division to help pay for contractors and provide hiring incentives for Southeast foresters.
- Given the current level of forest activity, DOF provided sufficient field presence to ensure that FRPA was effective in protecting water quality and fish habitat in 2021 in Southeast. Travel to Kodiak-Afognak Islands resumed for one trip after being suspended in 2020 due to COVID.
- Southeast forest practices inspections increased on state operations and on non-state operations compared to last year.
- Compliance monitoring scores increased slightly in Region I and stayed the same in Region III in 2021. RII was not computed in 2021 as only one inspection occurred. RII compliance was excellent in 2021. Compliance remains strong statewide.
- DOF sold 42.3 MMBF of timber in 2021, a large increase from last year.
- DOF continued three major cooperative efforts with the US Forest Service – Forest Inventory and Analysis (FIA) in Interior Alaska, a cost-share agreement covering young-growth inventory and work force development in Southeast Alaska, and a Good Neighbor Authority (GNA) agreement to provide forest management services on national forest land.

- The 30 MMBF young-growth timber sale on Kosciusko Island was the first sale sold under the GNA in the Tongass National Forest. 6.4 MMBF was harvested in 2021.
- The second GNA sale in the Tongass, the ~16MMBF Vallenar Timber Sale, was awarded in February 2019, and the necessary Vallenar Road improvements were completed at the end of 2020 and 2021 Volume will be reported for this sale in FY22.
- A third agreement with the USFS involves spruce beetle-killed hazard fuel mitigation in the Chugach National Forest and will be completed this coming summer.
- DOF has received \$17 million in CIP funds over the last three years for hazardous fuels removal. The Division is building its fuels program by adding staff to plan fuel breaks in communities around Alaska, and to hire contractors and execute government to government contracts to implement the projects.

II. FOREST PRACTICES IMPLEMENTATION ON PRIVATE, MUNICIPAL, AND TRUST LAND

A. Summary of forest practices activities

Notifications and inspections. In 2021, DOF received and reviewed 24 new harvest Detailed Plans of Operation (DPOs) and nine new reforestation/timber stand improvement DPOs, and 17 renewals for private, municipal, and state trust lands. (See Appendix A and Figure 1, page 10).¹ New DPOs covered 4,208 acres and 30.68 miles of new forest road. The division conducted 22 inspections on private, municipal and trust land and 73 inspections on state timber sales.

DPOs reviewed and acreage notified on non-state land operations decreased from 2020 to 2021. Most of the FRPA activity on private land occurred in the Southeast Area on Mental Health Trust (MHT) land at Naukati, and in second-growth harvesting in Yakutat on village corporation land and Yakutat Borough land. The number of southeast inspections on state land during 2021 was higher than 2020, with operations at Thorne Bay, Gravina Island, Tuxekan and Haines. Sales sold in late 2020 at Thorne Bay and on Tuxekan Island became operational in 2021. Future sales are being planned at Sumez Island, Kosciusko, Heceta and Whale Pass. Significant new road construction activity on Gravina Island began in 2017 and contributed open access to the western northern and western portion of the island.

Notifications and acreage notified increased slightly in the Kodiak-Afognak area. Minimal FRPA activity occurred on non-state land in Regions II and III, however, two DPO reviews occurred in Region II and one DPO was reviewed in Region III. All 22 inspections on non-state land occurred in Region I in 2021 with none taking place in Regions II or III.

Variations. For the third time in as many years, there were no requests for variation for harvesting in riparian buffers in 2021.

Enforcement. One violation was issued in 2021. (Enforcement actions are summarized in Appendix B.)

¹ Note: FRPA data is reported on a calendar year basis because 11 AAC 95.220 requires Region I DPOs to be submitted by calendar year. Data on state forest management (e.g., state timber sale volumes) are reported by fiscal year to be consistent with state budget documents.

B. Monitoring

Compliance monitoring. During 2021, DOF conducted compliance monitoring on all FRPA inspections. A rating of 5 means the BMP was consistently and effectively implemented where applicable; a rating of 1 means the BMP was rarely implemented where applicable or was implemented ineffectively. The data show solid implementation rates in all regions (see Table 1, below). Overall, Region I averaged 4.5 out of 5.0 on the ratings, Region II scored 4.6 and Region III also scored 4.6. In Region I, 91% of all scores exceeded 4.0, on 62 total inspections. 100% of all scores exceeded 4.0 on 9 inspections in Region II. 93% of the scores exceeded 4.0 on the 24 inspections in Region III.

Table 1. Calendar year 2021 compliance monitoring scoresheet counts, number of BMP ratings, BMP mean scores, and overall BMP implementation percentage by region and state

Region	# Score sheets/Inspections		# BMP ratings	Mean score for all BMPs	Percentage of all BMPs rated ≥ 4
	State	Private/Other Public			
Region I	40	22	666	4.45	91%
Region II	9	0	39	4.64	100%
Region III	24	0	359	4.55	93%
Total	73	22	1064	4.49	92%

Region I compliance was high as 91% of all BMPs evaluated met or exceeded compliance standards, although there were individual BMPs which required corrective action. Those BMPs were related to road drainage, adequate number of drainage structures, grading bridges and locating roads in riparian areas. Operators acted quickly to rectify deficiencies as they were discovered. Active road maintenance and BMPs related to timber harvest were excellent. One training session was held in Southeast for Yak Timber Inc. staff. Due to low harvest activity, only nine inspections were conducted in Region II, although that is an increase of eight over 2020. The activity was mostly winter logging and winter road construction. Full compliance occurred on all operations. Region III had excellent compliance results in 2021 at 93%. The Tanana Valley State Forest's road maintenance program has improved in recent years due to increased funding for equipment operators and improved efforts of timber sale contractors utilizing the TVSF existing mainlines. This road system receives a significant amount of public use, so attention to road maintenance and grading prior to freeze-up has been a priority in recent years. The Tanana River ice bridge crossing was successfully constructed, and compliance was exceptional on winter roads and most harvest operations in Region III.

Effectiveness monitoring

DOF works with agencies and affected interests to prioritize effectiveness monitoring of the Forest Resources and Practices Act, and related research needs. The interagency Effectiveness Monitoring Working Group, including representatives from DOF, USFS, ADFG, USFWS, DEC, NRCS, and Sealaska Corporation, met in November 2021 to discuss projects and priorities. The group remains in contact about several high priority projects, many of which have good prospects for funding as well as opportunities for collaboration among agencies.

2022 Effectiveness Monitoring Activities and Proposals

- Road condition surveys, inactive roads on former Sealaska operations on Kake and Hoonah.

Lead: Joel Nudelman, DOF, with ADFG cooperation.

- Northern Region reforestation and scarification techniques. Lead: Miho Welton, DOF, funded through McIntire Stennis Grants.
 - Potential regulatory updates to propose to the Board of Forestry
 - Map requirements for DPOs,
 - Voluntary provisions for young growth buffers: variable and windproof buffers
- Lead: Greg Albrecht, ADFG, with DOF cooperation.
- See draft DRAFT Tongass National Forest Water Quality Best Management Practices Annual Monitoring Report, FY2021: http://forestry.alaska.gov/frpa_effectiveness_monitoring
 - Fish passage on road from Port Graham to Seldovia. Lead: Kyle Graham, USFWS.

Priorities for effectiveness monitoring and research projects

- DOF: Water quality monitoring in specific watersheds in state forests. Annual variability of non point-source pollution.
- DOF: Impacts of hazardous fuels reduction work where there is permafrost, and possibility of thermokarsting.
- USFS: Roads, connectivity and stream passage work.
- USFS: Monitoring research, reanalyzing a study from 1997 to look at climate drivers.
- USFS: Young growth management: working with foresters to meet best management in riparian areas.
- USFS: Can canopy cover be used to get information on forest structure and water yield?
- USFS: Validation of LIDAR streams and channel classifications
- USFWS: Fish passage on road from Port Graham to Seldovia.
- ADFG: Buffer issues and potential regulation changes. Literature review to explore net trade-offs.
- NRCS: Areawide strategies on treatment of spruce bark beetle killed trees and the growing fire threat they pose.
- NRCS: Ecological/wildlife issues limiting tree species richness on naturally regenerated clearcuts in the Copper River Basin.
- NRCS: Assessment of habitat/ecology shifts after PCT in sitka spruce stands, in stands older than 20 years.
- NRCS: Effects of appropriate forest thinning on sap production in birch stands
- NRCS: Dynamics between second growth management and wildlife, relating to caloric needs created by the additional vertical structure of forest debris in SE Alaska.

Road condition surveys and remediation. With the assistance of ADFG (Craig office) and Sealaska staff, DOF performed road condition surveys on 25 miles of inactive forest roads on six Sealaska operations on Prince of Wales Island. The impetus for these surveys was the shutdown of Sealaska Timber Corporation and management of their forest road system being turned over to Sealaska Corporation. While most spur roads have been closed with structures removed, some mainline roads on this ownership remain open (Inactive FRPA status) with crossing structures in place. The bridges and culverts requiring fish passage on the inactive roads were the focus of the 2021 surveys. Results of the surveys have been submitted to Sealaska. The following operations have at least one or more bridges or culverts which require attention to fully meet FRPA standards: Election Creek, Black Bear, Soda Bay and Tolstoi.

C. Reforestation

Reforestation exemptions. Harvests that are significantly composed of dead or dying trees may request an exemption from the FRPA reforestation requirements. DOF received two new requests for reforestation exemptions in 2021, which were approved for 148 acres.

D. Training

Landowner/operator training. Training for landowners and operators is provided by DOF area office and regional office staff. Sessions vary from formal classroom presentations to more informal “tailgate” sessions conducted during field inspections. DOF also provides training in the form of DPO reviews and inspection reports that recommend ways to conduct operations to implement the BMPs. In 2021, DOF conducted one FRPA training session in Southeast with an attendance total of 5 people. One compliance monitoring training was conducted for DOF staff with approximately 20 people in attendance.

FRPA 101. The Division of Forestry completed a series of FRPA training modules using PowerPoint. The full series has 20 modules covering Purpose, Applicability, DPOs, Stream Classification, riparian standards, road construction and maintenance, stream crossings, reforestation, timber harvesting, inspections and compliance monitoring, enforcement, mass wasting, prosecution coordination, and hearing officer duties.

Most of the FRPA training materials are on the public Division of Forestry website: <http://forestry.alaska.gov/forestpractices>, and are used by a variety of users with questions about FRPA. The modules for FRPA enforcement, prosecution coordination, and hearing officer training are on the internal Division of Forestry website, and available for Division employees as needed.

III. RESOURCE MANAGEMENT ACTIVITY ON STATE LAND

A. Statewide summary

State timber sales. FY21 timber sale offerings on state land are summarized by area in Table 2 on the following page. In FY21, DOF sold 30 sales on 2,145 acres of land for a total of approximately 42.3 million board feet. Compared to FY20, timber sale volume increased sharply. Staff recruitment and retention efforts in Southern Southeast have been difficult. Two positions were vacant for all of 2021, one of which was filled in early 2022. The \$270,000 Timber Bridge CIP included funding for hiring incentives and housing assistance in Southern Southeast. The office will hopefully be fully staffed in 2022.

Table 2. FY221 Timber Sales Sold on State Land.

Note: Some sales are offered in cords, green tons or cubic feet rather than board feet. For comparison in this chart, all volumes have been converted to thousand board feet (MBF). Therefore, the total volumes are approximate.

Area	Number of Sales	Acres Sold in New Sales	Volume Sold - Units Converted to MBF
Southern Southeast	5	585.00	15,851.85
Northern Southeast	5	1,064.00	23,218.91
Kenai - Kodiak	2	22.00	150.00
Mat Su	0	0.00	0.00
Coastal Total	12	1,671.00	39,220.76
Fairbanks	8	191.10	1,144.29
Delta	7	254.20	1,887.35
Tok	1	10.00	37.80
Copper River	2	19.00	55.02
Northern Total	18	474.30	3,124.46
State Total	30	2,145.30	42,345.22

B. Reforestation and stand improvement. Regeneration of harvested or naturally disturbed areas is an essential part of forest management on state land. In areas where planting is desirable, the DOF collects cones for seed extraction, contracts for seedling production, and plants seedlings to improve reforestation. In many areas, natural regeneration, with or without scarification, provides sufficient regeneration to meet reforestation standards. In 2021, DOF surveyed 152 acres for regeneration. No pre-commercial thinning, pruning or planting occurred on DOF-managed lands in 2021. 40,000 seedlings were ordered in 2021 to be planted in the Tanana Valley State Forest.

C. Beach Log Salvage and Log Brands

The Southeast Area office issued 4 beach log salvage licenses in Southern southeast and sold 10 log brands, including renewals.

D. Forest Planning

The Division of Forestry reviews and comments on a wide range of state and federal agency land-use plans to help ensure the division and the public have continued access to forest resources on state lands. In addition, DOF works to encourage the salvage of timber when forested land is cleared for rights-of-way, hazardous fuels mitigation, or other purposes and provides stipulations for protecting forest health.

IV. STATEMENT OF FRPA EFFECTIVENESS AND RECOMMENDATIONS FOR CHANGES TO CORRECT PROCEDURAL OR SUBSTANTIVE PROBLEMS

Overall, the FRPA was effective in protecting water quality and fish habitat, while providing for continued timber and fishing industry opportunities. DOF maintained sufficient field presence to implement the Act, and to conduct compliance monitoring on the low level of FRPA activity in 2021. DOF conducted 22 field inspections on private, municipal, and trust land this year, and issued one notice of violation. Strong results from the compliance score sheets in all three regions indicate a high degree of compliance with the Act and show continued success in preventing problems through DPO review, training, and field consultations with the operators. DEC listed no impaired waters under Section 303(d) of the Clean Water Act due to forestry activities on private, state, or other public lands regulated by the FRPA.

At current levels of funding, the effectiveness of the Act depends on a low level of current activity, experienced landowners and operators, and a high level of compliance. Potential increases in state timber sales and activity on new Mental Health Trust land are likely to increase FRPA activity. If the level of FRPA activity increases, if new operators that require additional training begin work, or if violations increase, effectiveness will be compromised at current staffing levels. DOF is hopeful that the Legislature will approve the Governor's budget for three additional forester positions and one equipment operator, to rebuild our forest practices program.

V. RESEARCH AND MONITORING PRIORITIES FOR 2022

The priority for 2022 is continued compliance monitoring in all three FRPA Regions and compliance monitoring training for new agency staff. DOF hopes that the three new foresters and the equipment operator in the Governor's Budget will be approved by the Legislature, to increase its ability to monitor FRPA activities, to complete road conditions surveys on inactive roads, and to ensure proper road conditions that protect water quality and fish habitat.

For effectiveness monitoring, the interagency Effectiveness Monitoring Working Group met in November of 2021 to discuss projects and priorities. The group, which included representatives from DOF, ADFG, DEC, USFWS, USFS, NRCS and Sealaska, agreed on several high priority projects, and will continue to work cooperatively and share information.

2022 Effectiveness Monitoring Priorities

The following projects are all continuing efforts by agencies. See page 5, Priorities for effectiveness monitoring and research projects, for more detailed information.

DOF, ADFG, DEC, USFWS and USFS: monitor implementation of best management practices to ensure clean water and fish passage, re-installing, retrofitting or removing crossings that do not meet passage standards in fish streams.

USFS & USFWS: monitor stream restoration projects.

USFS & ADFG: prediction of and effectiveness of riparian buffers and influence on windthrow adjacent to streams.

USFS: invasive plant species control, detection, and mitigation.

USFS: management of young growth riparian stands

ADFG, DOF, DEC & USFS: conduct road condition surveys, focusing on Sealaska lands as timber program is closed out. Road and culvert information will be shared on ADFG fish mapper: <https://adfg.maps.arcgis.com/apps/MapSeries/index.html?appid=a05883caa7ef4f7ba17c99274f2c198f>

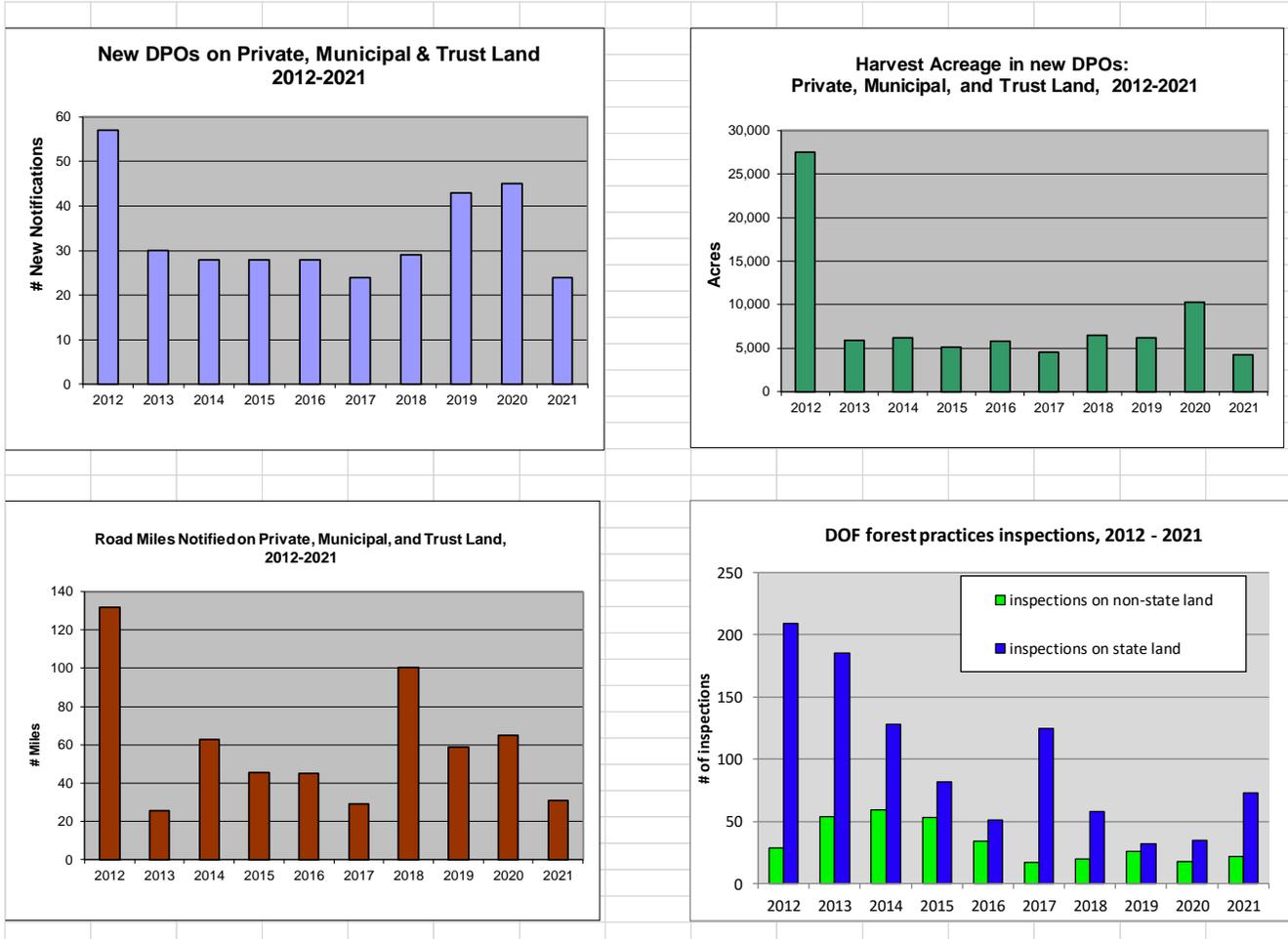
DOF's northern region: reforestation implementation standards and site preparation.

VI. ADDITIONAL TASKS AND INITIATIVES FOR 2022

In addition to ongoing FRPA implementation and enforcement work, and the items listed in section V, specific forest management DOF tasks for 2022 include the following:

- Recruit and train to fill staff vacancies as they occur.
- Add new staff to rebuild forestry program and build hazardous fuels program.
- Implement Good Neighbor Agreements to provide forest management services on National Forest.
- Continue Forest Inventory and Analysis work.
- Train DOF staff on scoring and completing BMP compliance score sheets for every FRPA inspection on private or State land, and provide FRPA training to other agencies and operators.
- Continue to work with the Governor's office on legislative initiatives that will increase the efficiency of forest management planning and create more opportunities to fund hazardous fuel reduction projects.

Figure 1. Key Forest Practices Indicators, 2012-2021



APPENDIX A.

2012-2021 FRPA ACTIVITIES ON PRIVATE, MUNICIPAL, AND TRUST LAND

NOTE: Forest practices actions are reported on a **calendar year** basis

Number of New Notifications (DPOs) for commercial operations											
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
SSE	32	14	14	16	19	19	14	24	37	13	
NSE	3	3	0	0	0	1	10	13	4	5	
Mat-Su/SW	0	2	2	1	0	0	1	0	0	2	
Kenai-Kodiak	13	7	8	6	7	2	3	5	3	3	
COASTAL	48	26	24	23	26	22	28	42	44	23	
Fairbanks	5	4	4	5	2	2	1	1	1	1	
Delta	0	0	0	0	0	0	0	0	0	0	
Tok	4	0	0	0	0	0	0	0	0	0	
Copper R.	0	0	0	0	0	0	0	0	0	0	
NORTHERN	9	4	4	5	2	2	1	1	1	1	
TOTAL	57	30	28	28	28	24	29	43	45	24	
Number of Notification Renewals											
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
SSE	9	11	12	11	10	20	13	7	14	15	
NSE	1	1	3	1	1	0	0	1	1	2	
Mat-Su/SW	0	1	1	2	1	2	1	1	0	0	
Kenai-Kodiak	4	8	4	0	4	4	7	5	0	0	
COASTAL	14	21	20	14	16	26	21	14	15	17	
Fairbanks	0	0	1	0	0	0	4	0	0	0	
Delta	0	0	0	0	0	0	0	0	0	0	
Tok	0	0	4	0	0	0	0	0	0	0	
Copper R.	0	0	0	0	0	0	0	0	0	0	
NORTHERN	0	0	5	0	0	0	4	0	0	0	
TOTAL	14	21	25	14	16	26	25	14	15	17	
Harvest Acreage in New Notifications Received											
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
SSE	8,373	4,717	1,724	1,820	3,341	3,758	2,479	4,376	8231	1860	
NSE	6,379	40	0	0	0	0	863	961	880	683	
Mat-Su/SW	0	131	154	160	0	0	1,646	0	0	148	
Kenai-Kodiak	8,918	836	3826	2,831	2,387	691	1,460	841	1084	1479	
COASTAL	23,670	5,724	5,704	4,811	5,728	4,449	6,448	6,178	10,195	4,170	
Fairbanks	161	174	269	299	128	79	29	29	45	38	
Delta	0	0	0	0	0	0	0	0	0	0	
Tok	3,685	0	208	0	0	0	0	0	0	0	
Copper R.	0	0	0	0	0	0	0	0	0	0	
NORTHERN	3,846	174	477	299	128	79	29	29	45	38	
TOTAL	27,516	5,897	6,181	5,110	5,856	4,528	6,477	6,207	10,240	4,208	

Road Miles Notified										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	15	15	16	18	28	20	22	36	38	10.3
NSE	16	0.3	0	0	0	1	36	14	12	2.3
Mat-Su/SW	64	0	0	0	0	0	9	0	0	0.3
Kenai-Kodiak	0	6	44	25	15	6	31	6	8	16.9
COASTAL	95	21	60	43	43	27	98	56	58	30
Fairbanks	6	4	2	2	2	2	3	3	7	1
Delta	0	0	0	0	0	0	0	0	0	0
Tok	31	0	1	0	0	0	0	0	0	0
Copper R.	0	0	0	0	0	0	0	0	0	0
NORTHERN	37	4	3	2	2	2	3	3	7	1
TOTAL	132	26	63	45	45	29	100	59	65	31

# FRPA Inspections Conducted on forest operations on private, municipal, and trust land - DOF										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	6	20	31	24	11	9	9	10	10	13
NSE	1	3	3	0	0	0	1	8	8	8
Mat-Su/SW	0	0	5	5	1	1	1	0	0	0
Kenai-Kodiak	21	29	20	21	16	7	6	4	0	1
COASTAL	28	52	59	50	28	17	17	22	18	22
Fairbanks	0	2	0	3	4	0	3	4	0	0
Delta	0	0	0	0	0	0	0	0	0	0
Tok	0	0	0	0	0	0	0	0	0	0
Copper R.	1	0	0	0	0	0	0	0	0	0
NORTHERN	1	2	0	3	4	0	3	4	0	0
TOTAL	29	54	59	53	32	17	20	26	18	22

Note: Inspections include regular FRPA inspections + variation inspections + reforestation inspections

# FRPA Inspections Conducted on forest operations on private, municipal, and trust land - ADF&G										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Fairbanks	0	1	0	0	0	0	0	0	0	0
Anchorage	12	15	15	15	11	10	3	1	0	1
Prince of Wales	19	8	8	7	10	4	7	5	5	5
Juneau/Douglas	2	6	2	1	2	1	0	3	2	3
Kenai	10	1	2	1	0	1	0	0	0	0
Mat-Su	0	0	0	0	0	1	2	0	0	0
TOTAL	43	31	27	24	23	17	12	9	7	9

Note: For data on other ADF&G forestry-related field work, including fish habitat inspections under AS 16.05.841 and .871, road condition surveys, and other effectiveness monitoring, see ADF&G annual report

Note: This table does not include field work for the SE Road Condition Survey.

Note: The number of inspections is different than the number of field days spent by the agencies. Some inspections, such as those at Icy Bay, take more than a single day. In other cases, multiple operations can be inspected on a single day. An inspection is counted for each inspection report that is filed. Each report covers a single operating area. .

# FRPA Inspections Conducted on forest operations on private, municipal, and trust land - DEC										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SE Region	0	0	0	0	0	0	0	0	0	0
SC Region	12	18	18	3	3	0	0	0	0	0
Interior Region	0	0	0	0	0	0	0	0	0	0
TOTAL	12	18	18	3	3	0	0	0	0	0

# FRPA Inspections Conducted on forest operations on STATE land - DOF										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	27	16	19	21	4	78	24	8	5	31
NSE	7	9	8	11	6	3	8	5	11	9
Mat-Su/SW	70	13	6	4	12	13	1	1	1	1
Kenai-Kodiak	24	9	18	8	1	3	0	5	0	8
COASTAL	128	47	51	44	23	97	33	19	17	49
Fairbanks	21	82	30	19	12	16	20	8	14	18
Delta	18	26	24	10	5	7	5	2	4	4
Tok	7	2	16	6	11	5	0	3	0	2
Copper R.	10	0	7	3	0	0	0	0	0	0
NORTHERN	56	110	77	38	28	28	25	13	18	24
TOTAL	184	157	128	82	51	125	58	32	35	73

Note: Inspections include regular FRPA inspections + variation inspections + reforestation inspections

# FRPA Inspections Conducted on forest operations on STATE land - ADF&G										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Fairbanks	0	0	0	2	0	0	0	0	0	0
Anchorage	0	0	15	0	0	0	0	0	0	0
Prince of Wales	3	0	7	1	1	3	1	3	0	2
Juneau/Douglas	0	0	0	0	0	2	0	0	0	0
Kenai	3	1	0	0	0	0	0	0	0	0
Mat-Su	0	0	3	0	0	0	1	0	0	0
TOTAL	6	1	25	3	1	5	2	3	0	2

Note: For data on other ADF&G forestry-related field work, including fish habitat inspections under AS 16.05.841 and .871, road condition surveys, and other effectiveness monitoring, see ADF&G annual report

# FRPA Inspections Conducted on forest operations on STATE land - DEC										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SE Region	0	0	0	0	0	0	0	0	0	0
SC Region	0	0	0	0	0	0	0	0	0	0
Interior Region	0	0	0	0	0	0	0	0	0	0
TOTAL	0									

Note: This table does not include field work for the SE Road Condition Survey.

Note: The number of inspections is different than the number of field days spent by the agencies. Some inspections, such as those at Icy Bay, take more than a single day. In other cases, multiple operations can be inspected on a single day. An inspection is counted for each inspection report that is filed. Each report covers a single operating area.

# field days spent on FRPA Inspections on all non-federal land - DOF										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	29	33	50	33	10	85	38	7	15	44
NSE	3	2	11	13	9	4	9	0	16	18
Mat-Su/SW	39	11	17	10	19	10	18	1	1	2
Kenai-Kodiak	71	51	44	53	38	25	20	20	0	10
COASTAL	142	97	122	109	76	124	85	28	32	74
Fairbanks	31	59	30	65	64	15	20	99	44	19
Delta	18	15	24	0	20	4	12	18	8	3
Tok	7	14	16	7	13	3	0	0	0	1
Copper R.	11	0	19	1	0	0	0	0	0	0
NORTHERN	67	88	89	73	97	22	32	117	52	23
TOTAL	209	185	211	182	173	146	117	145	84	97

# field days spent on FRPA Inspections on all non-federal land - ADF&G										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Fairbanks	0	1	0	1	0	0	0	0	0	0
Anchorage	36	15	15	15	11	10	3	1	0	1
Prince of Wales	22	8	15	14	11	7	8	8	2	10
Juneau/Douglas	20	6	2	1	2	3	0	10	4	8
Kenai	13	2	4	1	0	1	0	0	0	0
Mat-Su	0	0	0	0	0	1	3	0	0	0
TOTAL	91	32	36	32	24	22	14	19	6	19

# field days spent on FRPA Inspections on all non-federal land - DEC										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SE Region	0	0	0	0	0	0	0	0	0	0
SC Region	36	18	13	3	2	0	0	0	0	0
Interior Region	0	0	0	0	0	0	0	0	0	0
TOTAL	36	18	13	3	2	0	0	0	0	0

# Variation requests received										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	1	4	5	3	3	2	2	0	0	0
NSE	0	1	0	0	0	0	0	0	0	0
MS/SW	0	0	0	0	0	0	0	0	0	0
Kenai-Kodiak	3	1	1	6	2	0	0	0	0	0
COASTAL	4	6	6	9	5	2	2	0	0	0
Fairbanks	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	0
Tok	0	0	0	0	0	0	0	0	0	0
Copper R.	0	0	0	0	0	0	0	0	0	0
NORTHERN	0	0	0	0	0	0	0	0	0	0
TOTAL	4	6	6	9	5	2	2	0	0	0

# Variation Trees Reviewed (approved, denied, and other)* in site-specific variations										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	46	312	202	266	304	56	2	0	0	0
NSE	0	243	0	0	0	0	0	0	0	0
Mat-Su/SW	0	0	0	0	0	0	0	0	0	0
Kenai-Kodiak	678	41	80	458	4,353	0	0	0	0	0
COASTAL	724	596	282	724	4,657	56	2	0	0	0
Fairbanks	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	0
Tok	0	0	0	0	0	0	0	0	0	0
Copper R.	0	0	0	0	0	0	0	0	0	0
NORTHERN	0	0	0	0	0	0	0	0	0	0
TOTAL	724	596	282	724	4,657	56	2	0	0	0

*Variation trees reviewed covers all trees inspected on site in site-specific variations. This includes trees approved or denied for harvest, plus "other" trees such as those that are withdrawn from the variation request or that are found to be outside the riparian buffer. It does not include trees harvested in small streamside zones under 11 AAC 95.240

**Variations in the Tok Area were for groups of small trees rather than individual large trees. See report text for description.

# Variation Trees Approved										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	46	272	195	239	286	48	2	0	0	0
NSE	0	237	0	0	0	0	0	0	0	0
Mat-Su/SW	0	0	0	0	0	0	0	0	0	0
Kenai-Kodiak	640	38	64	450	4,327	0	0	0	0	0
COASTAL	686	547	259	689	4,613	48	2	0	0	0
Fairbanks	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	0
Tok	0	0	0	0	0	0	0	0	0	0
Copper R.	0	0	0	0	0	0	0	0	0	0
NORTHERN	0	0	0	0	0	0	0	0	0	0
TOTAL	686	547	259	689	4,613	48	2	0	0	0
% approved	95%	92%	92%	95%	99%	86%	100%	N/A	N/A	n/a

FRPA Notices of Violation Issued										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	0	0	0	1	0	1	2	0	0	0
NSE	0	0	0	0	0	0	0	0	0	1
Mat-Su/SW	0	0	0	0	0	0	0	0	0	0
Kenai-Kodiak	0	1	0	0	0	0	0	0	0	0
COASTAL	0	1	0	1	0	1	2	0	0	1
Fairbanks	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	0
Tok	0	0	0	0	0	0	0	0	0	0
Copper R.	0	0	0	0	0	0	0	0	0	0
NORTHERN	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	0	1	0	1	2	0	0	1

Acres Reviewed for Reforestation Exemptions										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SSE	0	0	0	0	0	0	0	0	0	0
NSE	0	0	0	0	0	0	0	0	0	0
Mat-Su/SW	0	0	0	0	0	0	0	0	0	149
Kenai-Kodiak	1,201	114	0	67	0	60	0	159	484	0
COASTAL	1,201	114	0	67	0	60	0	159	484	149
Fairbanks	0	0	0	0	0	0	0	0	0	0
Delta	0	0	0	0	0	0	0	0	0	0
Tok	0	0	0	0	0	0	0	0	0	0
Copper R.	0	0	0	0	0	0	0	0	0	0
NORTHERN	0	0	0	0	0	0	0	0	0	0
TOTAL	1,201	114	0	67	0	60	0	159	484	149

APPENDIX B: SUMMARY OF 2021 ENFORCEMENT ACTIONS

CARRY-OVER ACTIONS INITIATED PRIOR TO 2021

NONE

ACTIONS INITIATED IN 2021

AS 41.17.136 Directives

NONE

AS 41.17 Charging documents for violations

Case #	Date initiated	Location	Issued by	Date of compliance
SE-21-01	9/22/21	Yakutat	SE Area Forester, Greg Staunton	Not yet settled

AS 41.17.131 Stop Work Orders

NONE